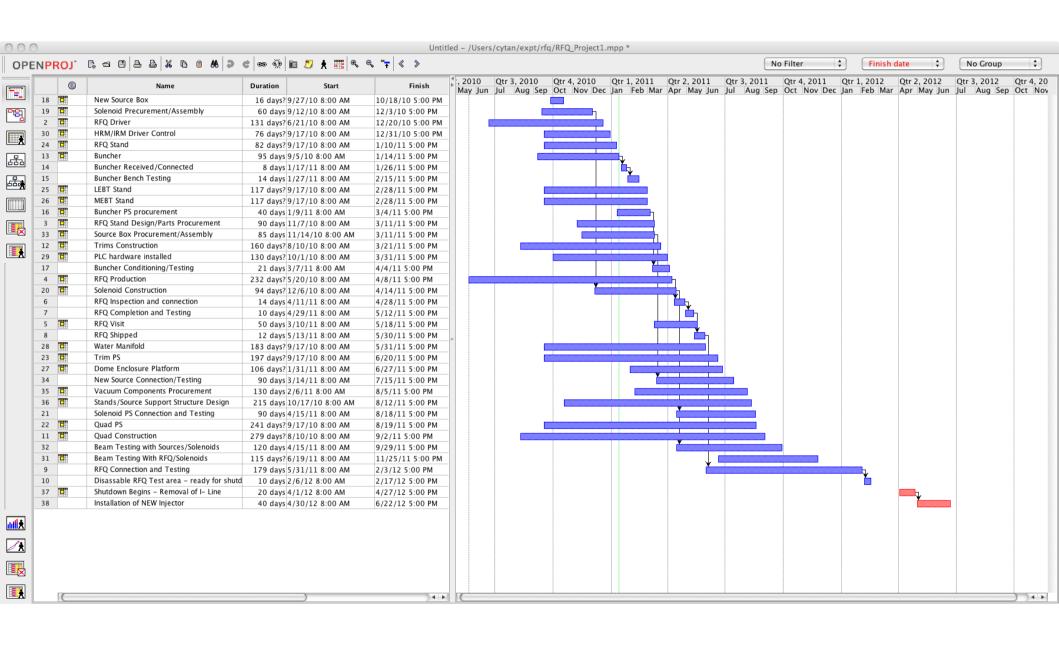
Pre-injector Upgrade Updates (22 Dec 2010 – 19 Jan 2011)

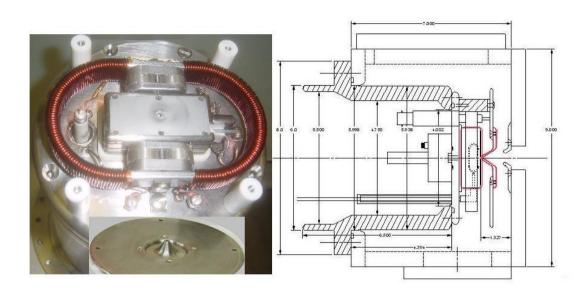
C.Y. Tan 19 Jan 2011



Review in February

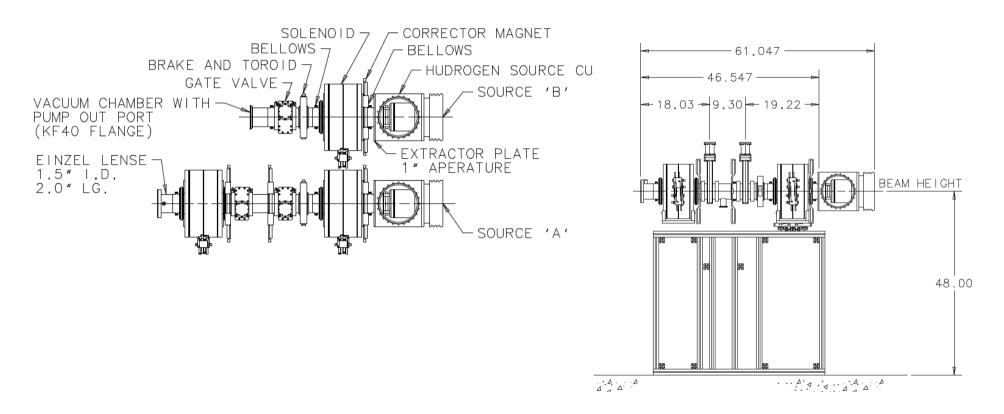
- Write up has started.
 - People should start filling up their sections.
- When is it going to happen?

Source Status



Device Status Comments
Source is returned to Drawings being made Cube has been procured.
HINS

LEBT Status



Aisha is looking into making a special Pearson toroid with length

~1.5" for MEBT. Quote to come in next few days. Electronics 80%

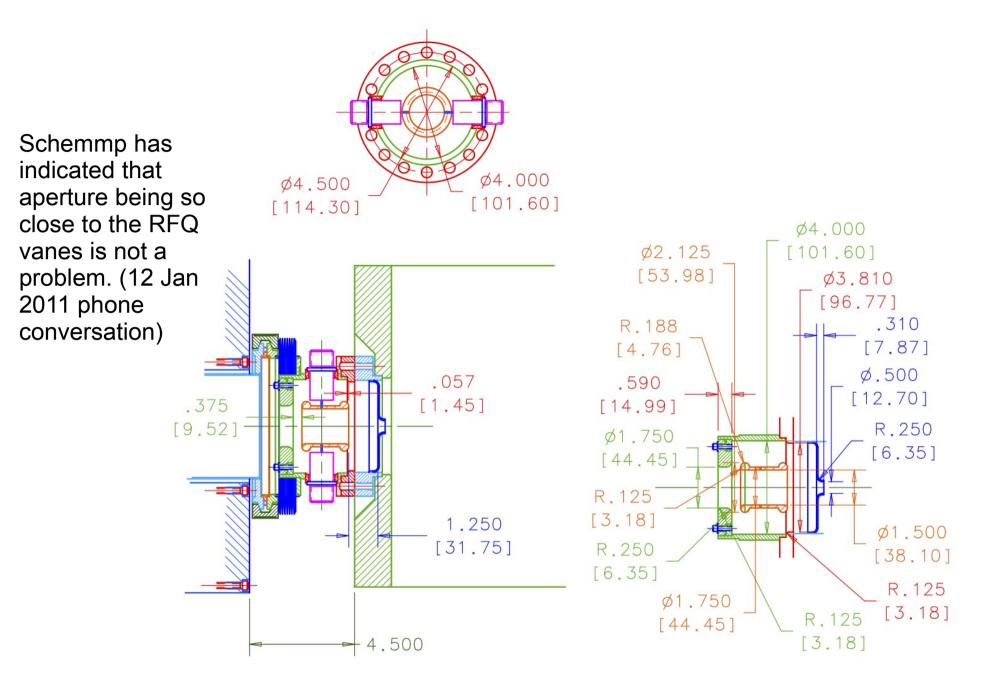
done.

Einzel lens Preliminary drawing of Einzel lens. See next page.

Lots of problems with windings. Windings have

Solenoids stopped, waiting for tooling.

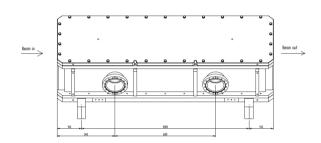
Toroids

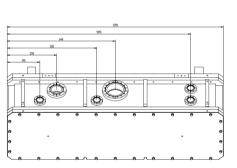


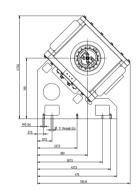
50 kV 6" CONFLAT FLANGE 12 BELLOWS MEMBRANES

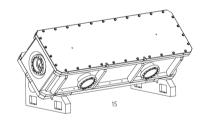
RFQ Status

- Copper plating of RFQ housing is complete. (Dec 2010)
- Vanes being machined. (Jan 2011)
- Visit in March (tentative)











Vacuum chamber

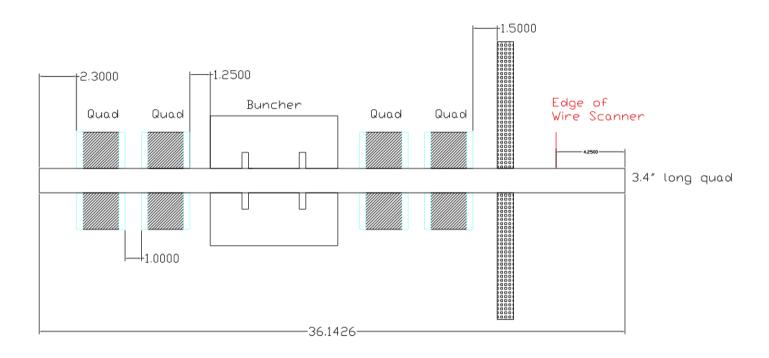


Tuners



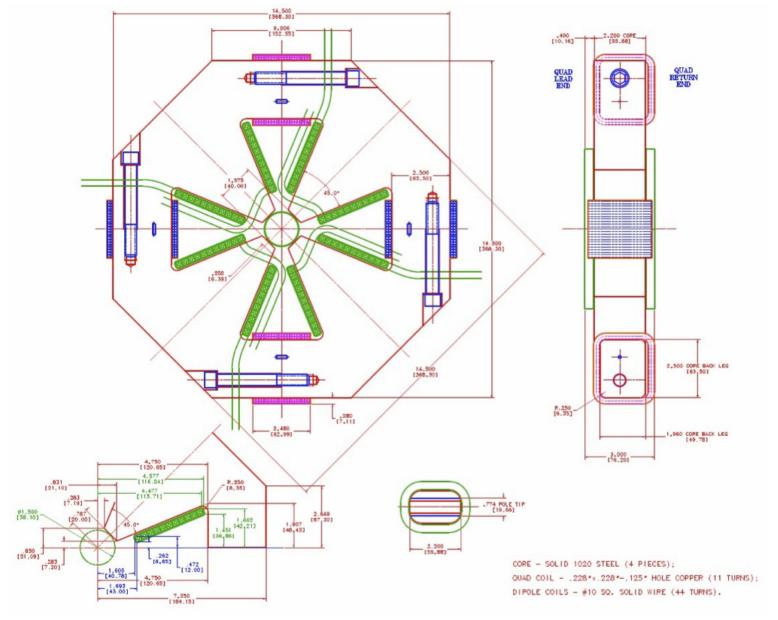
13 Jan 2011

MEBT Status



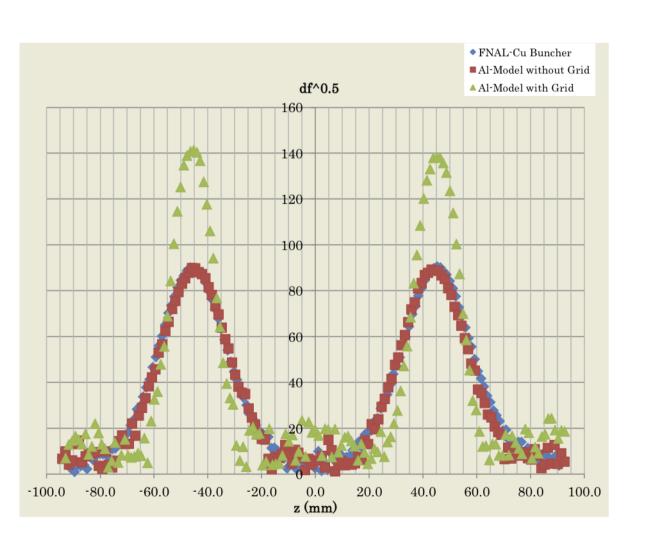
Quads	New quads have been designed with correctors.	See next slide.
_		
Buncher	TIME has completed the beadpull for no grids	Discussion with BNL and Time about insertion of grids.
Power for quads	Specs to follow	Quads being redone.
Power for buncher		Use present buncher supply in the line.
Connection to TankRemove large flange of Tank1		

MEBT Quads (to be changed)



2.2" core length. Physical length 3.4" (not 3")

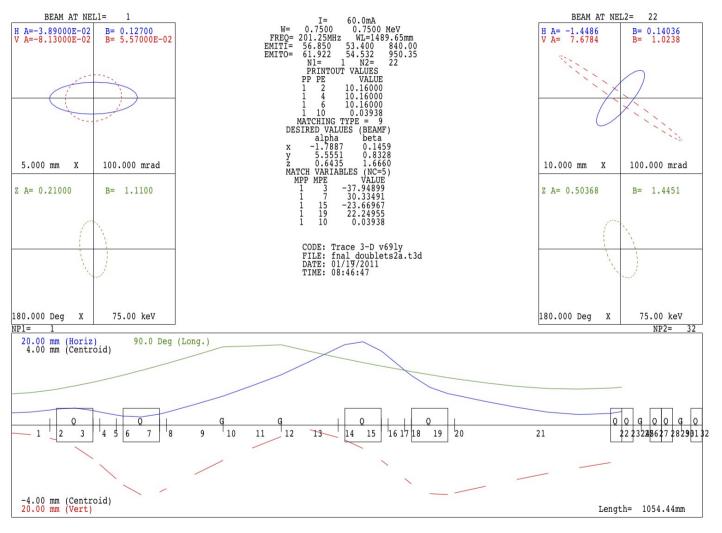
Buncher



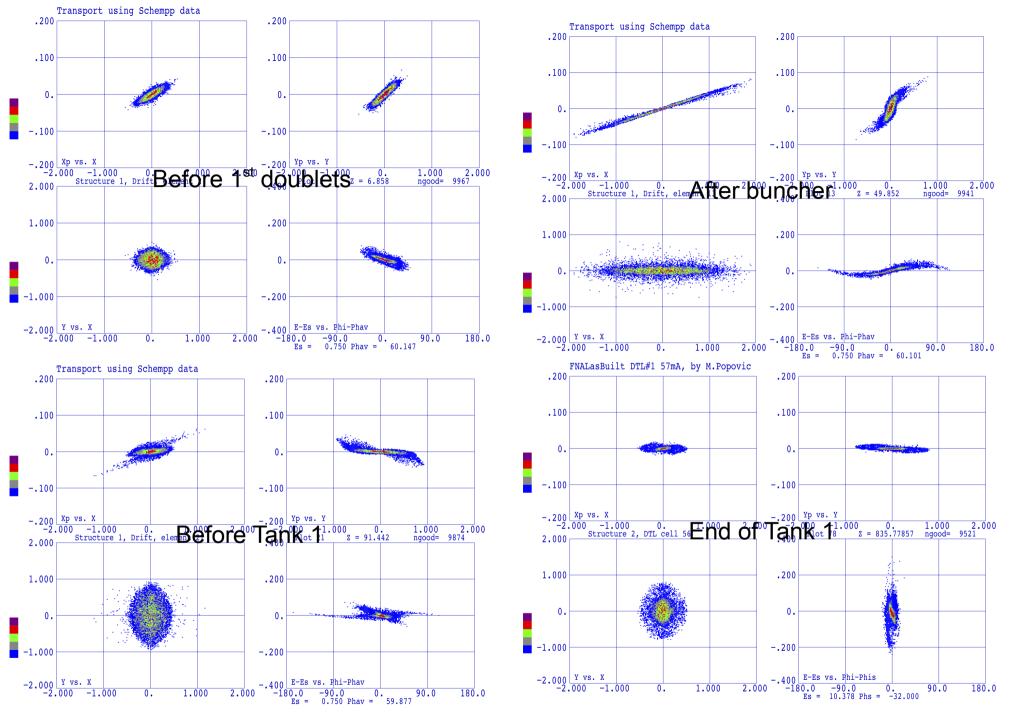
Concern about the insertion of grids because it will scratch the copper surface.

Discussion with BNL and Time.

MEBT Simulations

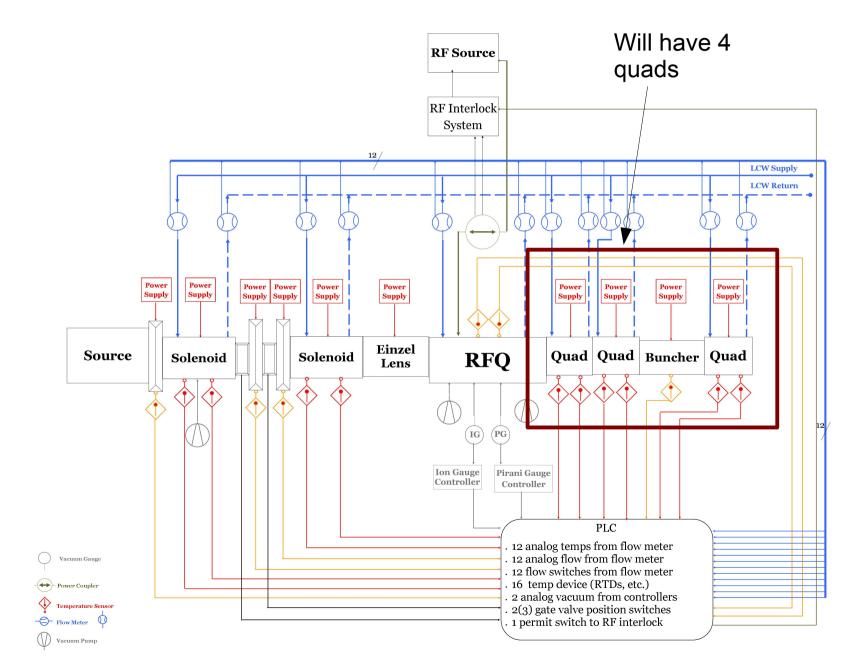


Beam is largest horizontally in 2nd doublet.



95.5% capture at end of Tank 1

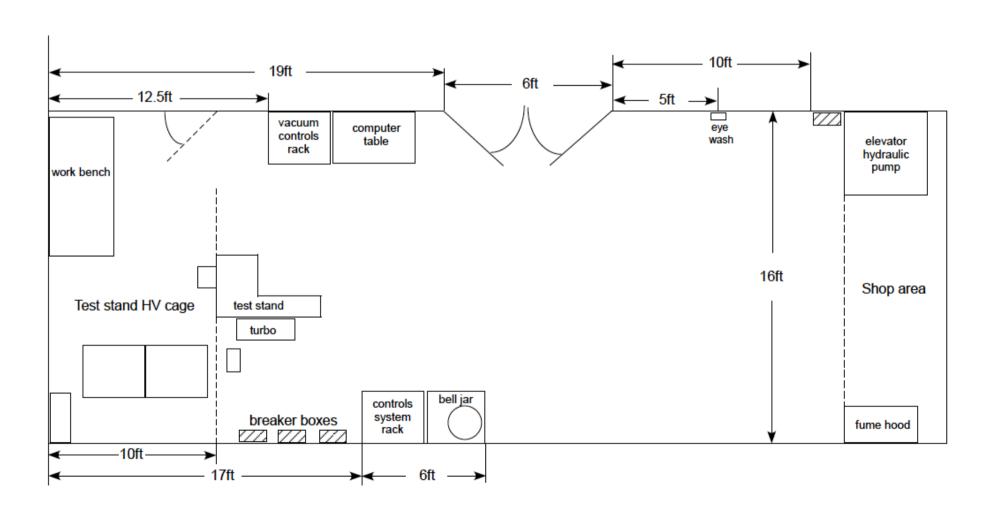
Controls



Test Stand

- Room has been cleaned up.
 - Beam line layout in progress
 - Water Bob Slazak
 - Electrical Jim Ranson
- Need to test LEBT before RFQ connection
 - Wires, toroids at the end of the LEBT, same position as the RFQ.
- Design diagnostic line.
- Drawings from Schempp are sufficient to build table.

Test Area



Safety

When can the beam line layout in test area be done?

RFQ reminders

- Schempp is vendor
 - Make sure that the vanes are cleaned! See ISIS email.
 - Some cleaning details supplied by ISIS.
 - Review and verify on site mechanical design and construction (already in contract).